

Session Program

8-9 Nov 2018

**TTC/ARIES topical workshop on flux trapping
and magnetic shielding**

Flux expulsion efficiency

CERN, 31/3-004 - IT Amphitheatre

Thursday 8 November

11:25

Flux expulsion efficiency: Part 1

Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:** Julia Koeszegi, David Longuevergne, Kensei Umemori

11:25-11:50 Review of magnetic flux expulsion

Speaker
Sam Posen

11:50-12:05

Can the present techniques for cavity flux expulsion efficiency measurements be unified?

Speakers
Rongli Geng, Shichun Huang

12:05-12:20 Efficiency measurements with MO, AMR, and Fluxgates

Speaker
Julia-Marie Koeszegi

12:20-12:30 Discussion

12:30

14:00

Flux expulsion efficiency: Part 2

Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:** Julia Koeszegi, David Longuevergne, Kensei Umemori

14:00-14:10 Microscopic investigation of flux expulsion at FNAL

Speaker
Martina Martinello

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14:10-14:20 Study on temperature dependent EBSD measurements

Speaker
Dr Kensei Umemori

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14:20-14:30 Update on Experimental Study of Flux Expulsion and Cold Work

Speaker
Sam Posen

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14:30-14:40 Discussion on the impact of material on expulsion efficiency

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14:40-14:50 Flux expulsion experiments with a 704 MHz elliptical cavity

Speaker

Anton Evgeniev Ivanov

Location

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14:50-15:00

Flux expulsion experiments with QWR at RIKEN**Speaker**

Kensei Umemori

Location

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15:00-15:10

Discussion on non 1.3 GHz experiments**Location**

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15:10-15:20

LCLS-II Cryomodule expulsion**Speaker**

Sam Posen

Location

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15:20-15:30

LCLS-II TD material batch study on flux expulsion**Speaker**

Ari Palczewski

Location

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15:30-15:40

Status of flux trapping related activities at DESY**Speakers**

Detlef Reschke, Joern Schaffran, Marc Wenskat

Location

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15:40-15:50

Discussion on 1.3 GHz experiments**Location**

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15:50

16:10

Flux expulsion efficiency: Part 3**Session** | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:**

Kensei Umemori, Julia Koeszegi, David Longuevergne

16:10-16:20

Angular dependency of flux expulsion**Speaker**

Felix Kramer

16:20-16:30

How is trapped flux affected by the cavity geometry**Speaker**

David Longuevergne

16:30-16:40

Discussion on geometrical aspects

16:40-17:05

Pinning studies for SC magnets and insights for SRF

Speaker

Prof. Damian Hampshire

17:05-17:25

General discussion on possible future experiments

18:00